Fig 1

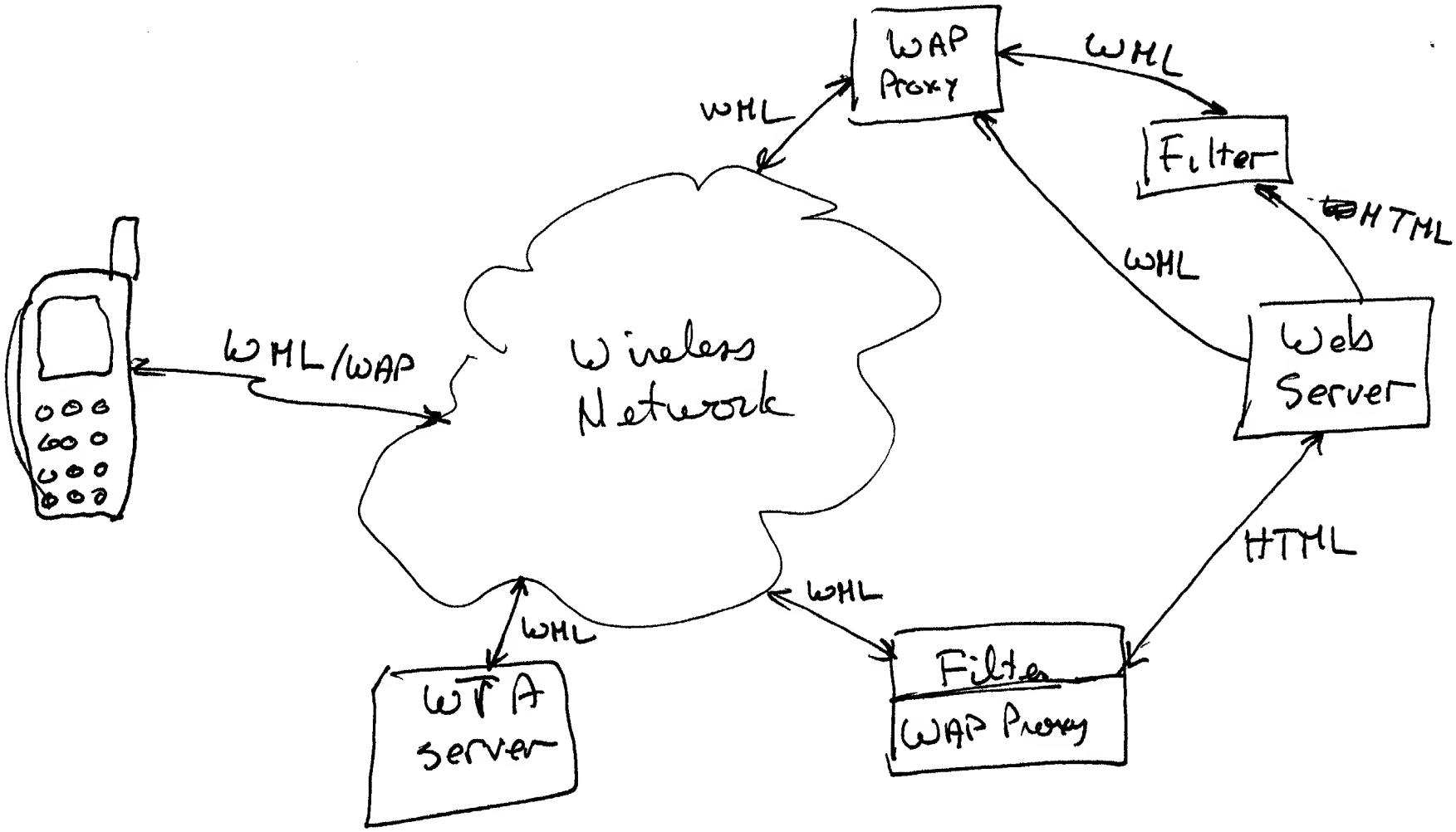

WAP Proxy
WML
WML
Filter
HTML
WML
Web Server
WML/WAP
Wireless Network
HTML
WML
WML
WTA Server
Filter
WAP Proxy

Fig 2

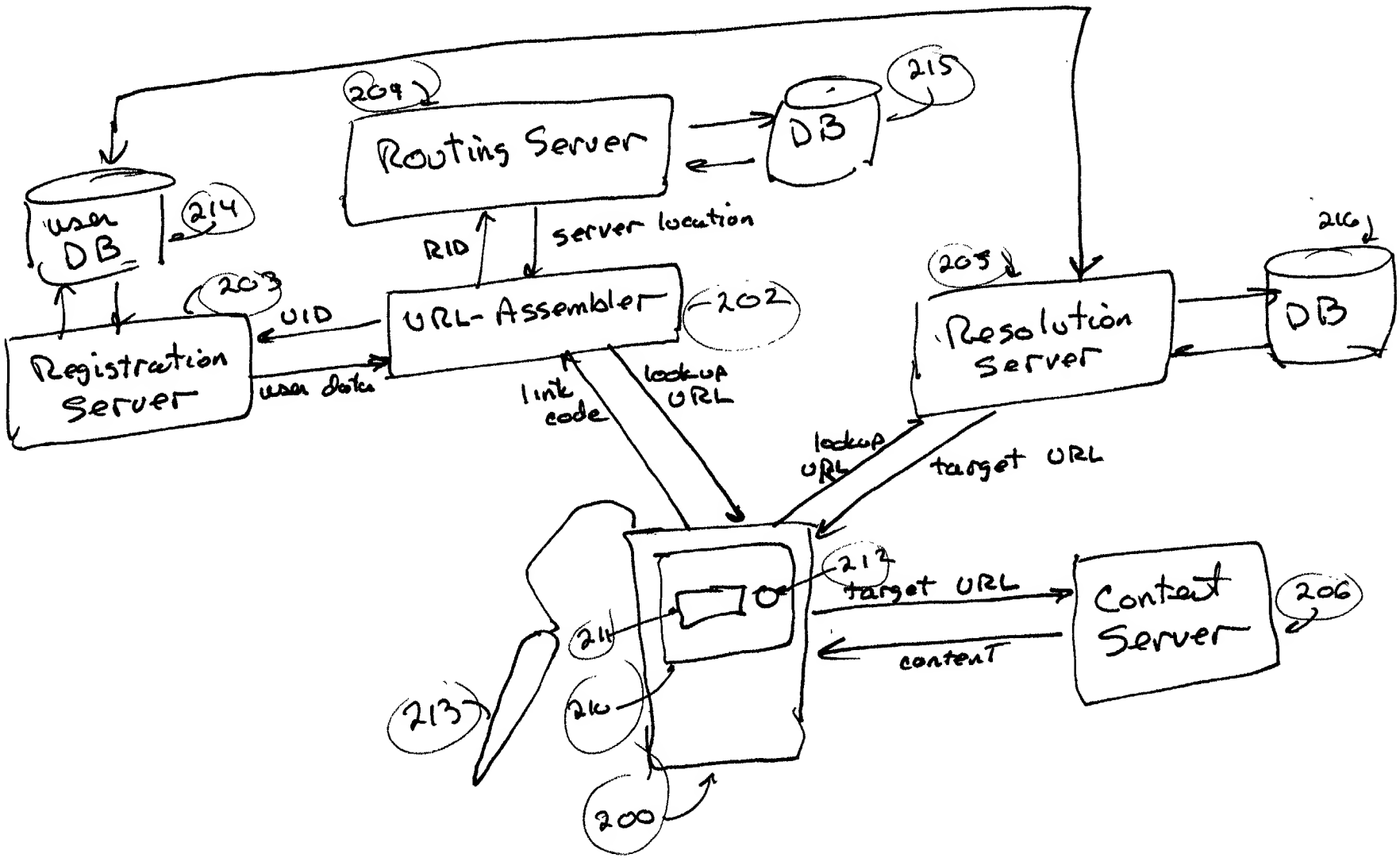

Routing Server
DB
215
209
User DB
214
RID
server location
URL-Assembler
202
203
UID
Registration Server
user data
link code
lookup URL
Resolution Server
205
DB
216
lookup URL
target URL
213
target URL
Content Server
206
content
211
210
200

Fig 2A

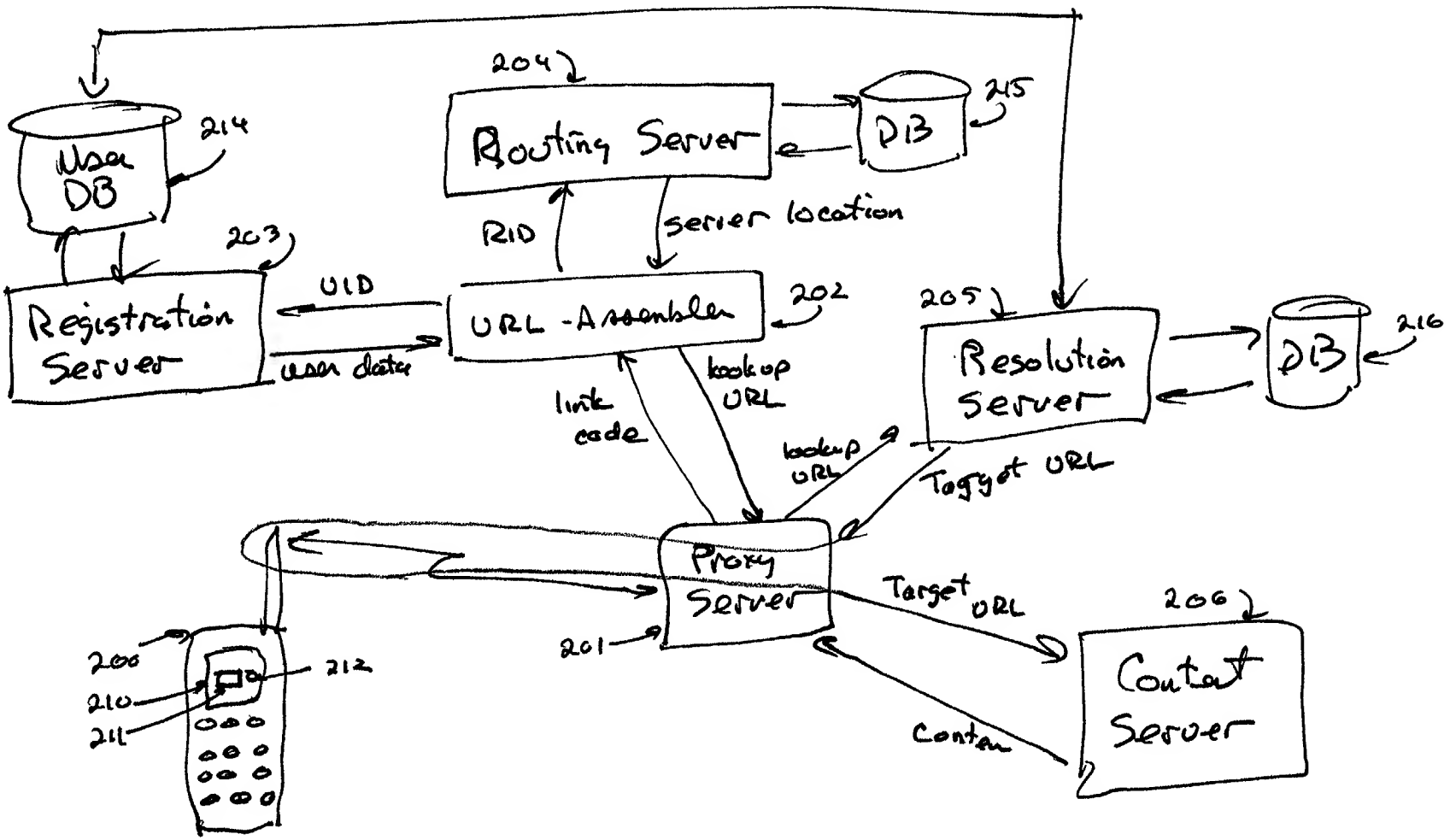

User DB
214
Routing Server
204
DB
215
RID
server location
Registration Server
203
UID
user data
URL - Assembler
202
205
Resolution Server
DB
216
link code
lookup URL
lookup URL
Target URL
Proxy Server
201
Target URL
206
Content Server
Content
200
210
211
212

Fig. 3A

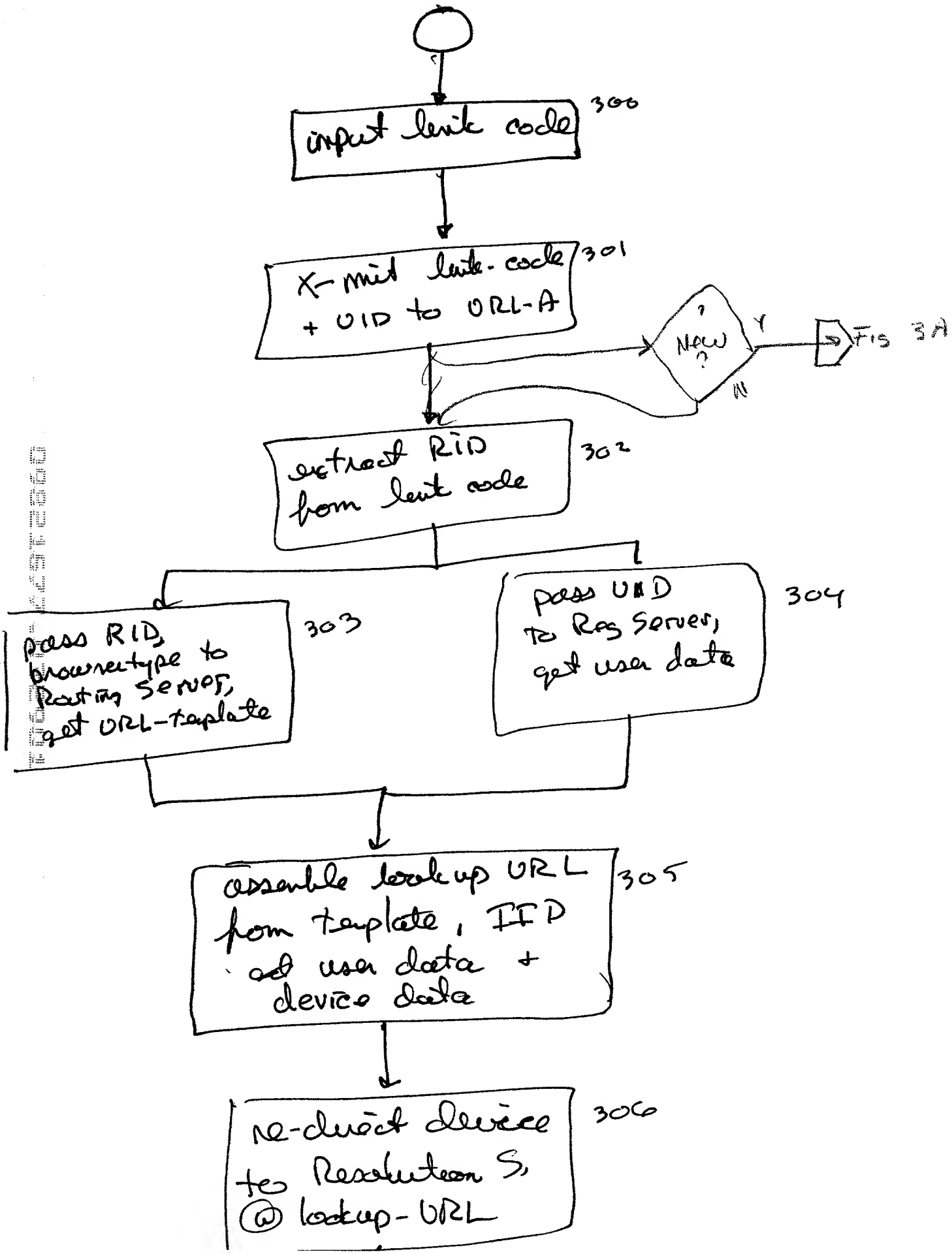

input link code
300
X-mit link-code + UID to URL-A
301
NEW ?
Y
N
Fig 3A
extract RID from link code
302
pass RID, browsertype to Routing Server, get URL-template
303
pass UID to Reg Server, get user data
304
assemble lookup URL from template, IID of user data + device data
305
re-direct device to Resolution S, @ lookup-URL
306

Fig. 3B

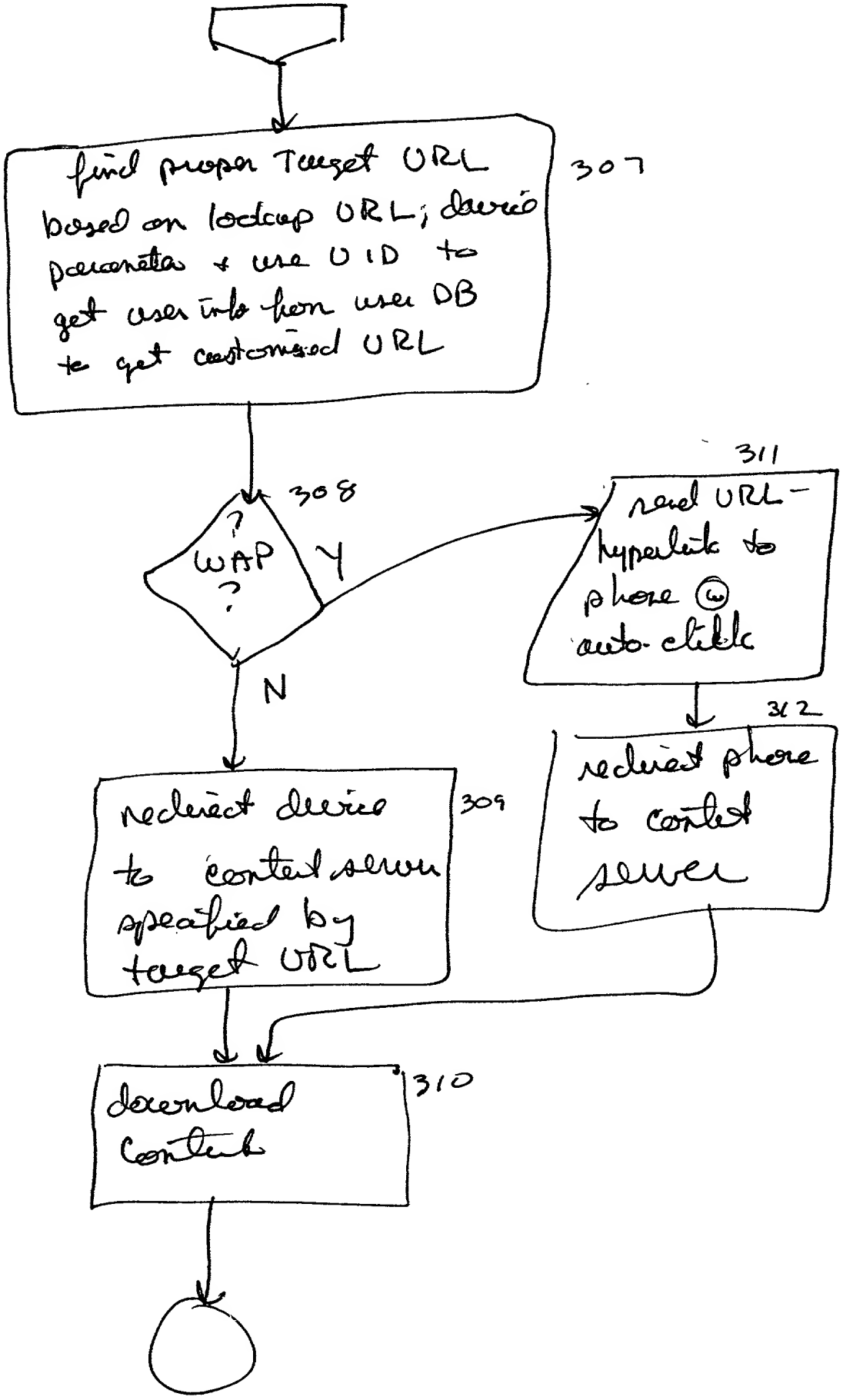

find proper Target URL based on lookup URL; device parameter & use UID to get user info from user DB to get customized URL
307
WAP ?
308
Y
N
read URL - hyperlink to phone ⓦ auto-click
311
redirect phone to content server
312
redirect device to content server specified by target URL
309
download content
310

Fig 3 C

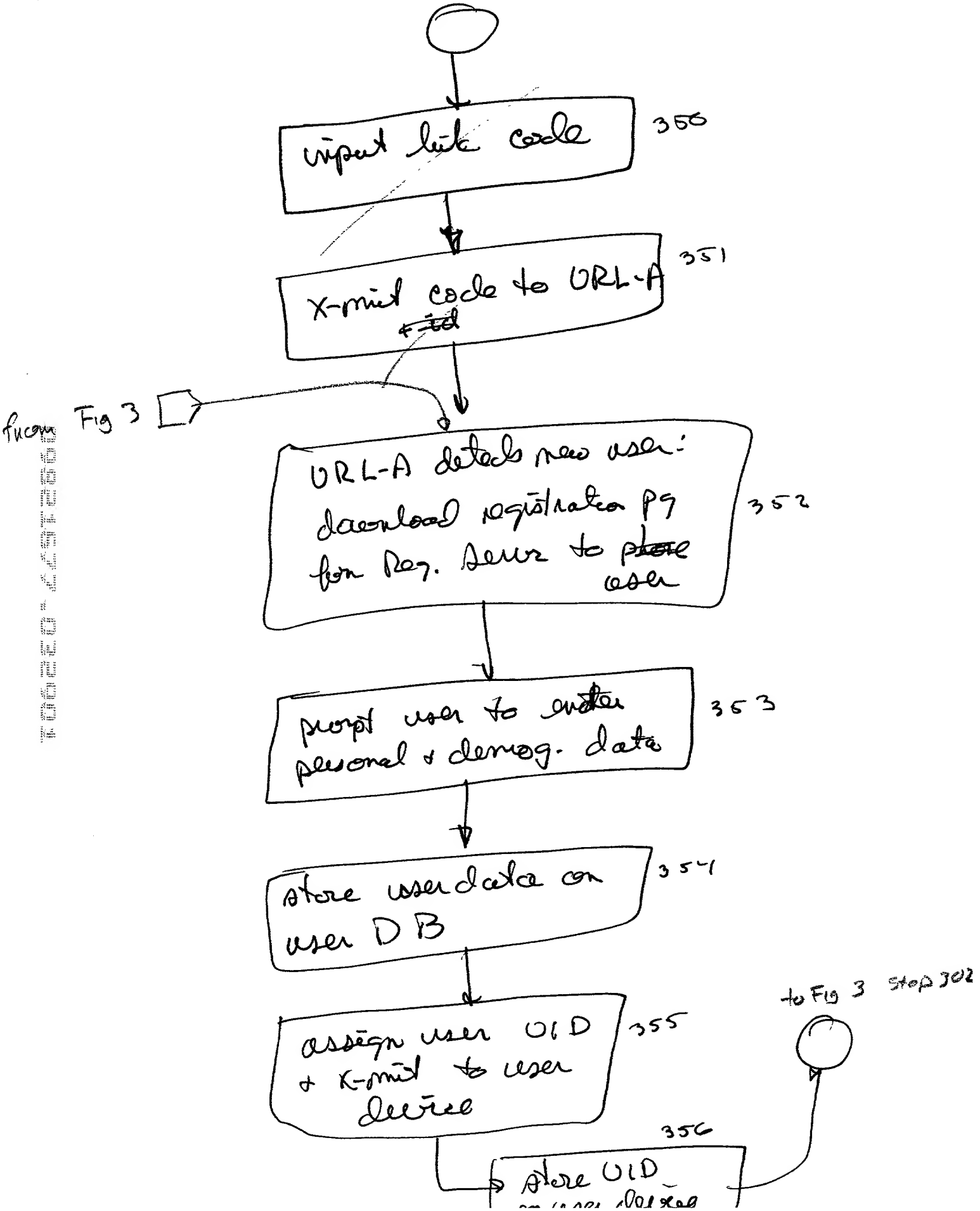
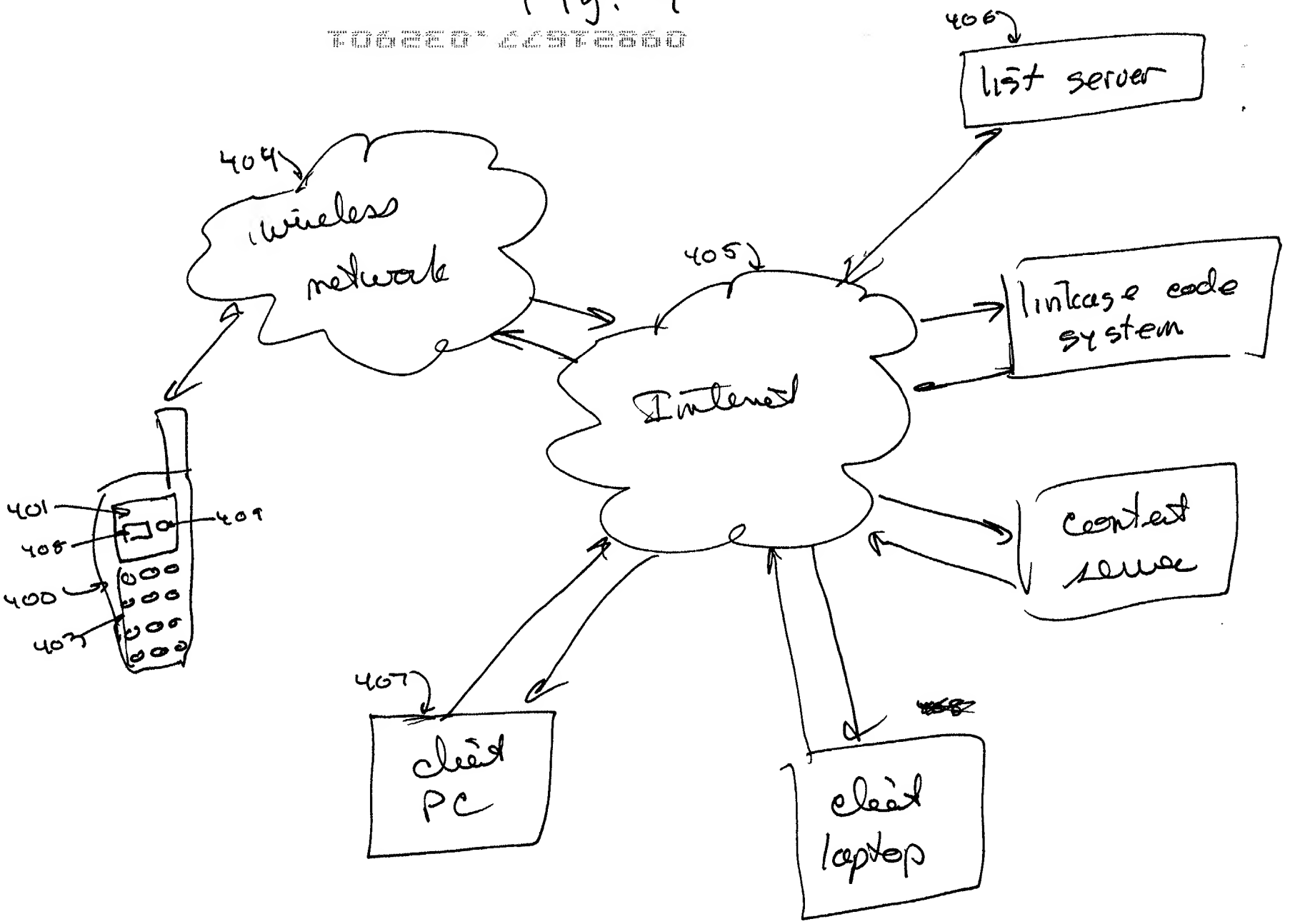

input link code
350
X-mit code to URL-A
351
from Fig 3
URL-A detects new user: download registration pg for Reg. Data to user
352
prompt user to enter personal & demog. data
353
store user data on user DB
354
assign user UID & X-mit to user device
355
store UID
356
to Fig 3 Step 302

Fig. 4


406
list server
404
wireless network
405
Internet
Intrase code system
content server
401
408
409
400
407
407
client PC
client laptop